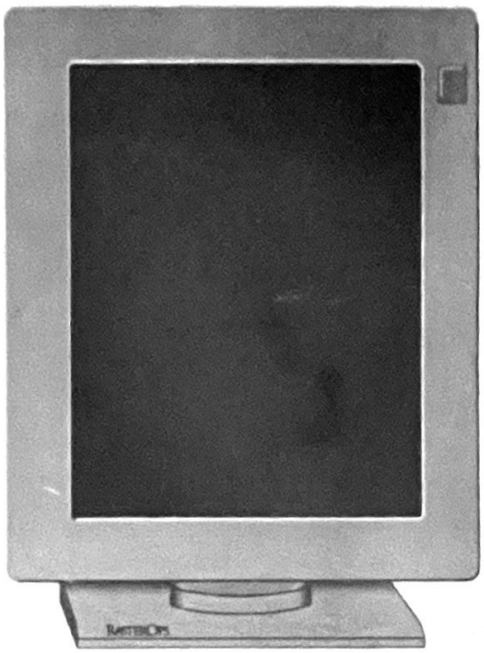
RasterOps/ClearVue 15 Portrait Display

User's Guide



OVERVIEW

The RasterOps/ClearVue 15 Portrait Display (Model 1510) is a compact, cost-effective display solution for users who need to view full-page documents but do not wish to invest in a conventional large-screen monitor.

Supporting a resolution of 640 x 870 pixels at 80 dpi, this monochrome/gray-scale monitor brings you a sharp and high-contrast display of text and graphics. The high refresh rate renders the screen flicker-free, reducing eye-strain.

User-adjustable controls on the monitor allow you to manipulate the brightness and contrast of your display, as well as size and positioning. The tilt-and-swivel base provides for a flexible viewing angle.

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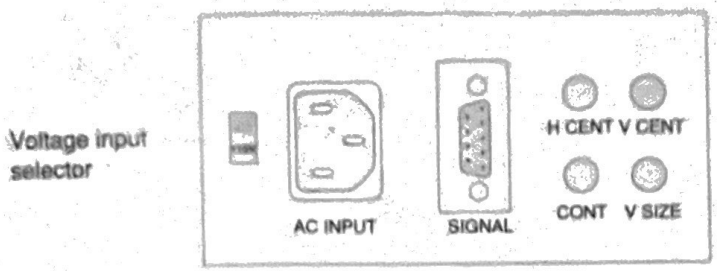
FEATURES	BENEFITS
640 x 870	• Displays 80 dpi for on-screen proofing
75Hz refresh rate	• Provides a solid, flicker-free display
Analog input	• Allows for a wider range of gray scales than digital displays
Tilt and Swivel base	• Adjustable monitor viewing angle
Universal power supply	• Allows the monitor to be used with different line voltages
User controls	• Enables the user to adjust the settings for optimum display

MONITOR CONNECTIONS



1. Position the monitor and the computer so that you can easily get to the back panel of each.
2. Attach the 9-pin connector of the video cable to the video input socket (marked SIGNAL) on the back panel of the monitor.
3. Attach the other end of the video cable (15-pin D connector) to the appropriate connector on your display adapter. Make sure that you tighten the thumbscrews on both ends of your video cable connectors.
   Note: If you have a computer that has internal video capability, you can connect the monitor directly to the video port on that computer.
4. Select the appropriate input voltage (115V or 230V) by flipping the voltage input selector switch located on the back panel of the monitor (refer to the figure above).
5. Plug the power cord into the AC input socket on the monitor.
6. Plug the other end of the power cord into a grounded electrical outlet.
7. Turn on the monitor and the computer.
   The power on button is located in the top right corner on the front of the monitor.

ADJUSTING YOUR DISPLAY CONTROLS

When your screen lights up after power on, you may adjust your display controls to obtain optimum viewing settings.

Note: Use the trimmer that came with your portrait display to make adjustments on the back panel controls.

BRIGHTNESS: The Brightness control on your display is a thumbwheel located in the lower right corner on the front. Turning this wheel in either direction will alter the brightness levels of your screen.

CAUTION: To prevent damage to your CRT, lower the brightness of your display when not in use, or install a screen saver program in your system.

CONTRAST: The Contrast control is located on the back panel of your display (see "CONT" in figure above). Adjust this control by turning it clockwise and counter-clockwise until the black and white levels of your display are distinct.

H CENT: The Horizontal Centering control is located on the back panel . Turning this control clockwise or counter-clockwise will move your display area on the screen to the right or left.

V CENT: The Vertical Centering control is located on the back panel. Turning this control clockwise or counter-clockwise will move your display area on the screen up or down.

V SIZE: The Vertical Size control, also located on the rear panel, adjusts the vertical size of your display . Turning this control clockwise will expand the height of your display. Turning it counter-clockwise will reduce the height of your display.

TECHNICAL SPECIFICATIONS

Display	RasterOps/ClearVue 15" (diagonal) Portrait Display (Model 1510)
Platform	Macintosh
Input signals	Analog Type
Video	Analog, 0.7 V p-p
Sync	Separated TTL negative
Signal input connector	9-pin D-shell (male)

1 Video Analog, 0.7V p-p
2 N/C
3 H sync, TTL Negative
4 V sync, TTL Negative
5 N/C
6 Video Ground
7 Video Ground
8 Sync Ground
9 Sync Ground

Scanning frequencies	
Horizontal	68.85 kHz
Vertical	75 Hz
Display resolution	
Horizontal	640 dots
Vertical	870 pixels
Dot density	80 dots per inch
Dot clock rate	57.2832 MHz
Power requirements	60W maximum
Input voltage	
Operating range	90-132V / 180-264V (switch selectable)
Frequency	47 to 63 Hz
Weight	23 lbs
Operating requirements	
Ambient temperature	50-95° F / 10-35° C
Humidity	90% maximum, non-condensing
Altitude	9800 feet maximum
Fuse protection	Internal
Warm-up time	20 minutes to meet all specifications

All specifications and product information are subject to change without notice.

TROUBLESHOOTING

1. **Monitor screen does not light up.**
   - Make sure the monitor and your computer are powered.
   - Check whether the monitor cable is properly connected.
   - Verify whether the power outlet is receiving power by hooking up another working electrical device to it.

2. **Brightness is out of balance.**
   Make sure the brightness and contrast controls on the monitor are set to appropriate levels.

RasterOps Technical Support

RasterOps Technical Support is available Monday through Friday from 7:00 a.m. to 7:00 p.m. Mountain Standard Time.

Telephone:	
U.S	(1-800) 729-2656 (SAY-COLOR)
Ouside the U.S	(801) 226-5265
FAX:	(801) 226-4010
American Online:	RasterHelp
AppleLink:	RasterHelp
DirectAccess BBS:	(801) 221-1129

FAXBACK is an automated FAX system that allows you to obtain immediate information on products, price lists, bulletins and upgrades by dialing (1-800) SAY-COLOR and selecting the FAXBACK option.

CARE & MAINTENANCE

- Make sure that the back of the monitor is well-ventilated to avoid internal heat build-up.
- Always plug the monitor's power cord into a grounded electrical outlet.
- Make sure the voltage select switch is set to the appropriate input level for your area.
- Do not expose this unit to water, excessive heat or direct sunlight.
- To clean the surface of the monitor, use a clean cloth or paper towel moistened with a household glass cleaner.

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